SEQUENCE LISTING

Sequence ID No: 1	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 2	MTEYKLVVVGAGGVGKSAATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 3	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 4	MTEYKLVVVGAGGVGKSALTIQLIQNHAVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 5	MTEYKLVVVGAGGVGKSALTIQLIQNHGVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 6	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 7	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 8	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNACDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 9	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGNGCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS

Sequence ID No: 10	MTEYKLVVVGAGGVGKSAATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 11	MTEYKLVVVGAGGVGKSAATIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 12	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 13	MTEYKLVVVGAGGVGKSAGTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 14	MTEYKLVVVGAGGVGKSACTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGAKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 15	MTEYKLVVVGAGGVGKSACTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 16	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGCKCDLAAR TVESRQAQDLARSYGIPYIETSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 17	MTEYKLVVVGAGGVGKSALTIQLIQNHFVDEYDPTIEDSYR KQVVIDGETCLLDILDTAGQEEYSAMRDQYMRTGEGFLCVF AINNTKSFEDIHQYREQIKRVKDSDDVPMVLVGGKCDLAAR TVESRQAQDLARSYGIPYIECSAKTRQGVEDAFYTLVREIRQ HKLRKLNPPDESGPGCMSCKCVLS
Sequence ID No: 18	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC

	CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 19	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GCG** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 20	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GGG** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 21	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT **GCT** GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT

	ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 22	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT **GGT** GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 23	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GCC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 24	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG

	CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 25	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC **GCG** TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 26	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG AAC **GGG** TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG
Sequence ID No: 27	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GCG** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC

	GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GCC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 28	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GCG** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 29	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GGG** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GCC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 30	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **GGG** ACC ATC CAG

	CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 31	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **TGT** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GCC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 32	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG **TGT** ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT

	GTG CTC TCC TGA
Sequence ID No: 33	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **TGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG ACC TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA
Sequence ID No: 34	ATG ACG GAA TAT AAG CTG GTG GTG GTG GGC GCC GGC GGT GTG GGC AAG AGT GCG CTG ACC ATC CAG CTG ATC CAG AAC CAT TTT GTG GAC GAA TAC GAC CCC ACT ATA GAG GAT TCC TAC CGG AAG CAG GTG GTC ATT GAT GGG GAG ACG TGC CTG TTG GAC ATC CTG GAT ACC GCC GGC CAG GAG GAG TAC AGC GCC ATG CGG GAC CAG TAC ATG CGC ACC GGG GAG GGC TTC CTG TGT GTG TTT GCC ATC AAC AAC ACC AAG TCT TTT GAG GAC ATC CAC CAG TAC AGG GAG CAG ATC AAA CGG GTG AAG GAC TCG GAT GAC GTG CCC ATG GTG CTG GTG GGG **GGC** AAG TGT GAC CTG GCT GCA CGC ACT GTG GAA TCT CGG CAG GCT CAG GAC CTC GCC CGA AGC TAC GGC ATC CCC TAC ATC GAG **TGC** TCG GCC AAG ACC CGG CAG GGA GTG GAG GAT GCC TTC TAC ACG TTG GTG CGT GAG ATC CGG CAG CAC AAG CTG CGG AAG CTG AAC CCT CCT GAT GAG AGT GGC CCC GGC TGC ATG AGC TGC AAG TGT GTG CTC TCC TGA